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TITLE: Molten pyrimidines
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PATENT ASSIGNEE(S): Pfizer, Chas., and Co., Inc.
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PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2418498	A1	19741107	DE 1974-2418498	19740411
GB 1458205	A	19761208	GB 1973-55900	19731203
AU 7467500	A	19751009	AU 1974-67500	19740403
NO 139735	C	19790502	NO 1974-1231	19740404
NO 139735	B	19790122		
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NL 7404894	A	19741015	NL 1974-4894	19740410
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DD 111207	A5	19750205	DD 1974-177859	19740411
ZA 7402351	A	19750430	ZA 1974-2351	19740411
CH 619950	A5	19801031	CH 1974-5110	19740411
FR 2225166	A1	19741108	FR 1974-13092	19740412
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RO 64918	A2	19790815	RO 1974-78412	19740413
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AT 7607579	A	19771115	AT 1976-7579	19761012
DK 7703873	A	19770831	DK 1977-3873	19770831
PRIORITY APPLN. INFO.:			US 1973-351025	A 19730413
			GB 1973-55900	A 19731203
			DK 1974-2009	A 19740410
			AT 1974-3151	A 19740416
			US 1974-485945	A 19740705

GI For diagram(s), see printed CA Issue.

AB Twenty-seven pyrimidoquinolines I [R = Me, Et, Ac, CO₂R₇ (R₇ = H, Na, Et, Bu, CH₂CH₂OH), CONH₂, CONHOH; R₁ = H, Ph; R₂ = H, Cl, MeO; R₃ = H, MeO, F, Cl, EtO, MeS, MeS(O); R₄ = H, MeO, EtO, BuO, PhCH₂O, F; R₃R₄ = OCH₂O, OCH₂CH₂O; R₅ = H, MeO; R₆ = Me, CH₂CO₂Me, (CH₂)₃CO₂Et, (CH₂)₂OAc], Et benzo[g]quinazolin-4(3H)-one-2-carboxylate, Et pyrido[2,3-d]pyrimidin-4(3H)-one-2-carboxylate, and 2-ethylpyrimido[2,3-d]pyrimidin-4(3H)-one, useful as inhibitors of bronchial asthma, were prepared: a) by condensation of cyanoacetamide with a nitrobenzaldehyde to give acrylamide II which was cyclized with powdered Fe in AcOH or AcOH-DMF to aminoquino-linecarboxamide III. Refluxing III with an oxalate ester and aromatic hydrocarbon gave I. b) Cyanoacetamide condensed with an aminobenzaldehyde gave III directly.

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Many of the compds. prepared had 100% antiallergic activity at 1-10 mg/kg
(average of 8 animals) i.v.

IT 55149-43-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and cyclization with diethyl oxalate)

RN 55149-43-4 CA

CN 3-Quinolinecarboxamide, 2-amino-6,7-dimethoxy- (CA INDEX NAME)

